

biodegradable, sustained release material prolonging the release of the local anesthetic and optionally and a pharmaceutically acceptable, i.e., non-toxic, augmenting agent effective to prolong the duration of the local anesthesia for a time period longer than that obtainable without the augmenting agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

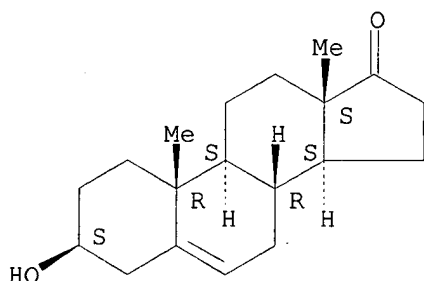
IT 53-43-0, Dehydroepiandrosterone

(sustained-release local anesthetic microparticles contg. biodegradable polymer matrix and activity-enhancing agents and actives for injection)

RN 53-43-0 USPATFULL

CN Androst-5-en-17-one, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



STN.

CAPLUS
REGISTRY

USPATFULL

8/22/02

L8 ANSWER 2 OF 3 USPATFULL

ACCESSION NUMBER: 2001:93131 USPATFULL

TITLE: Solid carriers for improved delivery of active ingredients in pharmaceutical compositions

INVENTOR(S): Patel, Mahesh V., Salt Lake City, UT, United States
Chen, Feng-Jing, Salt Lake City, UT, United States

PATENT ASSIGNEE(S): Lipocine, Inc., Salt Lake City, UT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6248363	B1	20010619
APPLICATION INFO.:	US 1999-447690		19991123 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Spear, James M.		
LEGAL REPRESENTATIVE:	Reed, Dianne E. Reed & Associates		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	3302		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides solid pharmaceutical compositions for improved delivery of a wide variety of pharmaceutical active ingredients contained therein or separately administered. In one embodiment, the solid pharmaceutical composition includes a solid carrier, the solid carrier including a substrate and an encapsulation coat on the substrate. The encapsulation coat can include different combinations of pharmaceutical active ingredients, hydrophilic surfactant, lipophilic surfactants and triglycerides. In another embodiment, the solid pharmaceutical composition includes a solid carrier, the solid carrier being formed of different combinations of pharmaceutical active ingredients, hydrophilic surfactants, lipophilic surfactants and triglycerides. The compositions of the present invention can be used for improved delivery of hydrophilic or hydrophobic pharmaceutical active

FILE 'CAPLUS' ENTERED AT 10:59:54 ON 22 AUG 2002
L4 4 S L1 AND CRYSTALLIZATION
L5 40 S L1 AND FORMULATIONS

FILE 'USPATFULL' ENTERED AT 11:05:28 ON 22 AUG 2002

FILE 'CAPLUS' ENTERED AT 11:07:23 ON 22 AUG 2002

FILE 'USPATFULL' ENTERED AT 11:07:24 ON 22 AUG 2002

=> s 15

280 L1
130409 FORMULATIONS
L6 87 L1 AND FORMULATIONS

=> s 16 and solid

818042 SOLID
L7 58 L6 AND SOLID

=> s 15 and solid formulations

280 L1
130409 FORMULATIONS
818042 SOLID
130409 FORMULATIONS
2095 SOLID FORMULATIONS
(SOLID(W) FORMULATIONS)
L8 3 L5 AND SOLID FORMULATIONS

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L8 ANSWER 1 OF 3 USPATFULL

ACCESSION NUMBER: 2002:105713 USPATFULL
TITLE: Prolonged anesthesia in joints and body spaces
INVENTOR(S): Goldenheim, Paul, Wilton, CT, UNITED STATES
Lacouture, Peter, Newton, CT, UNITED STATES
Donigi-Gale, Donna, Richfield, CT, UNITED STATES
Chasin, Mark, Manalapan, NJ, UNITED STATES
Sackler, Richard, Greenwich, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002054915	A1	20020509
APPLICATION INFO.:	US 2001-824465	A1	20010402 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-109324, filed on 2 Jul 1998, GRANTED, Pat. No. US 6248345		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51601P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 Seventh Avenue - 14th Floor, New York, NY, 10018	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	2285	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB Sustained release local anesthetic **formulations** are administered intra articularly and/or into body spaces/cavities. The formulation is preferably a plurality of injectable microparticles including a local anesthetic and an effective amount of a biocompatible,

ingredients, such as drugs, nutrionals, cosmeceuticals and diagnostic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

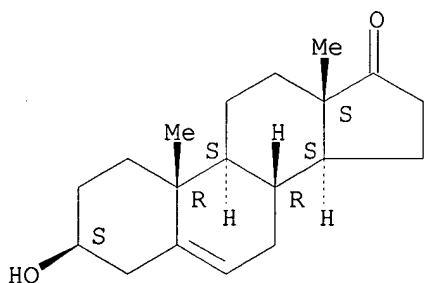
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(solid carriers for improved delivery of active ingredients in pharmaceutical compns.)

RN 53-43-0 USPATFULL

CN Androst-5-en-17-one, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



L8 ANSWER 3 OF 3 USPATFULL

ACCESSION NUMBER: 2001:93113 USPATFULL

TITLE: Prolonged anesthesia in joints and body spaces

INVENTOR(S): Goldenheim, Paul, Wilton, CT, United States

Lacouture, Peter, Newton, CT, United States

Donigi-Gale, Donna, Richfield, CT, United States

Chasin, Mark, Manalapan, NJ, United States

Sackler, Richard, Greenwich, CT, United States

PATENT ASSIGNEE(S): Euro-Celtique, S.A., Luxembourg, Luxembourg (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6248345	B1	20010619
APPLICATION INFO.:	US 1998-109324		19980702 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51601P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Azpuru, Carlos A.	
LEGAL REPRESENTATIVE:	Davidson, Davidson, & Kappel, LLC.	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	2562	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Sustained release local anesthetic **formulations** are administered intra articularly and/or into body spaces/cavities. The formulation is preferably a plurality of injectable microparticles including a local anesthetic and an effective amount of a biocompatible, biodegradable, sustained release material prolonging the release of the local anesthetic and optionally and a pharmaceutically acceptable, i.e., non-toxic, augmenting agent effective to prolong the duration of the local anesthesia for a time period longer than that obtainable without the augmenting agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

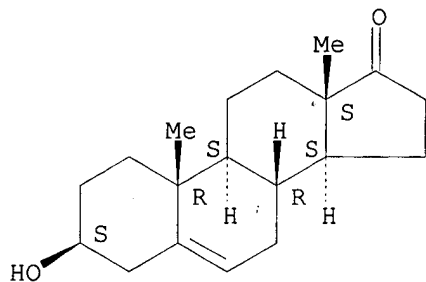
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